THANK YOU
to our sponsors

Wednesday, March 9
"Zephyrus, Poseidon and Charybdis: An Ocean Tale"
Laurent Chérubin, Ph.D.
FAU Harbor Branch

To live stream the presentations or view past lectures visit:
fau.edu/hboi/osls

Wednesday, March 16
"Getting to the (Muddy) Bottom of It: The Harmful Algal Bloom Assessment of Lake Okeechobee (HALO)"
Jordon Beckler, Ph.D.
FAU Harbor Branch

ECONOMIC DEVELOPMENT COUNCIL OF ST. LUCIE COUNTY

THANK YOU
to our sponsors

Wednesday, March 9
"Zephyrus, Poseidon and Charybdis: An Ocean Tale"
Laurent Chérubin, Ph.D.
FAU Harbor Branch

To live stream the presentations or view past lectures visit:
fau.edu/hboi/osls

Wednesday, March 16
"Getting to the (Muddy) Bottom of It: The Harmful Algal Bloom Assessment of Lake Okeechobee (HALO)"
Jordon Beckler, Ph.D.
FAU Harbor Branch

ECONOMIC DEVELOPMENT COUNCIL OF ST. LUCIE COUNTY
Laurent Chérubin, Ph.D., is a Research Professor who has been at FAU Harbor Branch since 2013 and is one of the two lead Principal Investigators in the Ocean Dynamics and Modeling program. Laurent is a physical oceanographer who studies the physical processes associated with the formation of oceanic vortices by ocean currents. He also studies the role of these processes in the life history of marine organisms, in particular how they affect the transport of their larvae. He has published over 60 articles in the scientific literature and is pioneering the application of artificial intelligence to ocean dynamics predictions.

Ocean gyres are large-scale circulation features that span across an entire ocean basin, moving waters in circles from one side to the other perpetually. However, the currents associated with gyres are much stronger on the western side of ocean basins than on their eastern side. In this talk, we reveal how the energy provided by the wind is counteracted by friction on the eastern and western continental shelves and how the rotation of the Earth creates the observed asymmetry of the boundary currents. Small-scale frontal eddies in the Straits of Florida are the products of this ocean tale.

Unrestricted gifts to the FAU Harbor Branch Executive Director’s Fund are powerful investments in the greatest needs of the Institute, which range from seed funding for research projects and technology upgrades, to emergency student support.

Your generous gifts support the research being conducted every day at FAU Harbor Branch:

- Marine Ecosystem Conservation
- Ocean Health: Human Health
- Aquaculture and Food Security
- Technological Innovation and National Defense
- Education and Outreach

About the Speaker

Laurent Chérubin, Ph.D., is a Research Professor who has been at FAU Harbor Branch since 2013 and is one of the two lead Principal Investigators in the Ocean Dynamics and Modeling program. Laurent is a physical oceanographer who studies the physical processes associated with the formation of oceanic vortices by ocean currents. He also studies the role of these processes in the life history of marine organisms, in particular how they affect the transport of their larvae. He has published over 60 articles in the scientific literature and is pioneering the application of artificial intelligence to ocean dynamics predictions.